
Dynamic seat control is not functioning correctly and/or air cushions do not inflate fully

Topic number	LI91.10-P-059386
Version	1
Design group	91.10 Front seats
Date	07-12-2014
Validity	Model series 211, model series 219 with SA code 433 and 434
Reason for change	Damage code list updated; FC entered in reference list and text updated
Reason for block	

Complaint:

Dynamic seat control is not functioning correctly and/or air cushions do not inflate fully.

Cause:

Pressure supply insufficient.

Remedy:

1. Evaluate the fault memory

2a.) If the fault code (control unit) is 9260 "No or insufficient pressure supply", the pressure supply of the dynamic seat pump must be checked.

The pressure must be: $P > 1400$ hPa. If the pressure is inside the specified range, the fault codes of the pump must be checked.

2b.) If the fault code is 9250 "Safety time exceeded, gross leak", the lines between the pressure reservoir, the seat and the pump must be checked for leaks.

Note: If code 9260 is present, check the contacts on the control unit and also check the pneumatic lines for kinks.

If there are kinks along the lines, the responsible MPC must be contacted. To allow inspection, TIPS cases should be sent with photos of the kinking point (with components still installed).

3. If fault code (control unit) 9250-9258 and fault code (pump) 9180-9181 are present, the control unit is detecting a leak in the bladders. The contacts of the control units must be checked. Furthermore, the bladders must be checked for leaks with the aid of a pressure gauge.

Example pressure gauge: 201 589 13 21 00 vacuum tester (testing unit 0- 1000 mbar, scale division 5 mbar, for pressure and vacuum)

General note:

Check vehicle for kinked lines. If there are no kinked lines, check the pump.

If fault code 9261 occurs and the customer complains that his dynamic seat function stops after approx. 1 hour (function OK again after ignition off/on), a repair kit must be installed in vehicles produced up to September 2006.

To obtain the repair kit, you must order the predecessor pump with object number A211 800 01 48. With this object number you will receive an optimized pump with protective cap and a wiring harness. The following AR describes how to install the repair kit: [AR91.25-P-1580-1T- Replace pneumatic pump for dynamic seat control. \(As of release 10/06\).](#)

Note: Installation of the repair kit requires the use of a special tool, which can be ordered via the GLC as of February 2, 2007. When installing, be careful not to cause any damage or kinks in the lines and their contacts.

Validity for vehicles with SA codes 433+434.

Work instructions for installation of repair kit:

- Note: When the pneumatic pump is replaced on vehicles up to 31.08.2006, the pneumatic pump with the four-color pneumatic line set used in vehicles as of 1.09.2006 must be installed.
- Disconnect pressure line from pressure reservoir.
- Disconnect vent line from pressure reservoir.
- Connect green pneumatic line in place of the pressure line.
- Connect blue pneumatic line in place of the vent line.
- Connect red pneumatic line to the pneumatic line on the vehicle.
- After installing the pneumatic pump, fasten the pneumatic line harness to the pneumatic pump using a cable tie.
- Info: Route the pneumatic wiring harness so that it cannot chafe and does not kink.

Attachments	
File	Description
Reparaturkit im eingebauten Zustand.JPG	Repair kit
Zange.jpg	Special tool

Symptoms
Body / Seat / Dynamic multicontour seat / Nonfunctional

Control unit/fault code		
Control unit	Fault code	Fault text
DS-LF-Left front dynamic seat (FDSVL)	9260	No or insufficient pressure supply.
DSP-Pneumatic pump for dynamic seat (PFDS)	9251	Pressure loss was detected due to leakage.
DS-LF-Left front dynamic seat (FDSVL)	9260	No or insufficient pressure supply.If fault code occurs with no complaint reported and no malfunctions, erase fault memory and perform a function check. ((ECU1_DEF_DIOVAR@Diagvers_00_00))
DS-LF-Left front dynamic seat (FDSVL)	9250	Leak air at cushion of left seat-Left air cushion for lateral support
DS-LF-Left front dynamic seat (FDSVL)	9251	Leak air at cushion of left seat-Right air cushion for lateral support
DS-RF-Right front dynamic seat (FDSVR)	9250	Leak air at cushion of right seat-Left air cushion for lateral support
DS-RF-Right front dynamic seat (FDSVR)	9251	Leak air at cushion of right seat-Right air cushion for lateral support
DSP-Pneumatic pump for dynamic seat (PFDS)	9180	Pressure supply was cut off by control module DS-LF.
DSP-Pneumatic pump for dynamic seat (PFDS)	9181	Pressure supply was cut off by control module DS-RF.
DSP-Pneumatic pump for dynamic seat (PFDS)	9250	Pressure build-up not possible due to a leak.

Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC	Other ma- ke part
A 000 800 03 18			Protective cap holder	1	Component of the repair kit. Is supplied automatically.	X	
A 000 800 42 48			Optimized pump	1	Component of the repair kit. Is supplied automatically.	X	
A 000 800 35 15			Replacement hose line/pres- sure supply	1	Component of the repair kit. Is supplied automatically.	X	
W000 589 04 37 00			Pliers for pneumatic lines	1	Order via GLC		X

Attachments	
File	Description
Teile des Reparturkits.JPG	Parts listing

Work units				
Op. no.	Operation text	Time	Damage code	Note
			80547 53	Active multicontour seat pneumatic pump - insufficient effect/power

WIS-References			
Document number	Title	Note	Allocation
AR91.25-P-1580-1T	Remove/install pneumatic pump for dynamic seat control		Remedy

Validity		
Vehicle	Engine	Transmission
CLS (219)	*	*
E (211)	*	*

Full model designation breakdown		
Vehicle	Engine	Transmission
211.004	646.951	716.604
211.004	646.951	716.606
211.004	646.951	722.699
211.006	646.961	716.649
211.006	646.961	722.699
211.007	646.820	716.654
211.007	646.820	722.699

211.007	646.821	716.654
211.007	646.821	722.699
211.008	646.821	716.654
211.008	646.821	722.640
211.016	647.961	716.649
211.016	647.961	716.654
211.016	647.961	722.640
211.020	642.920	716.646
211.020	642.920	716.653
211.020	642.920	722.902
211.022	642.920	722.902
211.023	648.961	722.640
211.024	642.920	722.902
211.026	648.961	722.626
211.028	628.961	722.639
211.029	629.910	722.903
211.041	271.956	716.628
211.041	271.956	716.631
211.041	271.956	722.695
211.042	271.941	716.628
211.042	271.941	716.631
211.042	271.941	722.695
211.052	272.922	716.634
211.052	272.922	716.638
211.052	272.922	722.998
211.054	272.943	716.667
211.054	272.943	716.669
211.054	272.943	722.999
211.056	272.964	716.665
211.056	272.964	716.666
211.056	272.964	722.906
211.057	272.985	716.665
211.057	272.985	716.666
211.057	272.985	722.906
211.061	112.913	716.623
211.061	112.913	716.634
211.061	112.913	722.696
211.065	112.949	722.618
211.070	113.967	722.633
211.070	113.967	722.901
211.072	273.960	722.904
211.076	113.990	722.643
211.077	156.983	722.907

211.080	112.917	722.667
211.082	112.954	722.668
211.083	113.969	722.672
211.084	642.921	722.689
211.087	272.972	716.665
211.087	272.972	716.666
211.087	272.972	722.676
211.089	642.921	722.689
211.090	273.962	722.677
211.092	272.944	716.665
211.092	272.944	716.666
211.092	272.944	722.690
211.206	646.961	716.649
211.206	646.961	722.699
211.207	646.821	716.654
211.207	646.821	722.640
211.207	646.821	722.699
211.208	646.821	716.654
211.208	646.821	722.640
211.216	647.961	716.649
211.216	647.961	716.654
211.216	647.961	722.640
211.220	642.920	716.646
211.220	642.920	716.653
211.220	642.920	722.902
211.222	642.920	722.902
211.223	648.961	722.640
211.226	648.961	722.626
211.241	271.956	716.628
211.241	271.956	716.631
211.241	271.956	722.695
211.242	271.941	716.628
211.242	271.941	716.631
211.242	271.941	722.695
211.252	272.922	716.634
211.252	272.922	722.998
211.254	272.943	716.667
211.254	272.943	716.669
211.254	272.943	722.999
211.256	272.964	716.665
211.256	272.964	716.666
211.256	272.964	722.906
211.257	272.985	716.665

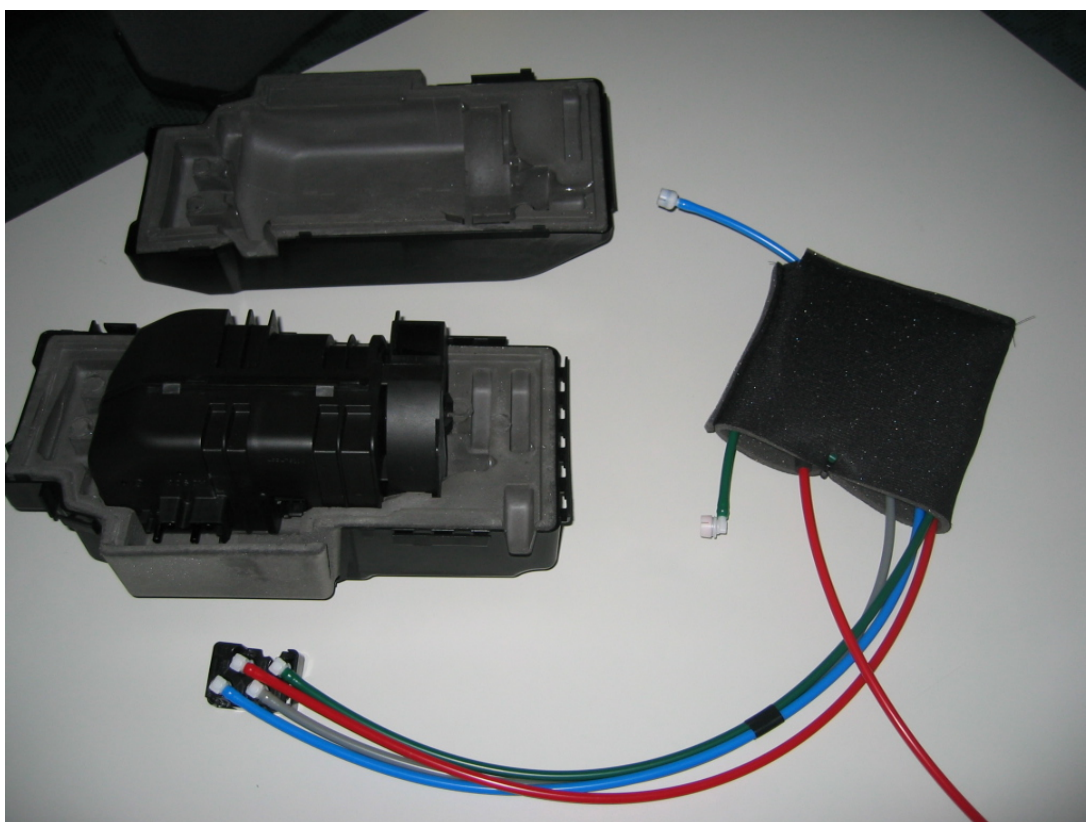
211.257	272.985	716.666
211.257	272.985	722.906
211.261	112.913	716.623
211.261	112.913	716.634
211.261	112.913	722.696
211.265	112.949	722.618
211.270	113.967	722.633
211.270	113.967	722.901
211.272	273.960	722.904
211.276	113.990	722.643
211.277	156.983	722.907
211.280	112.917	722.667
211.282	112.954	722.668
211.283	113.969	722.672
211.284	642.921	722.689
211.287	272.972	716.665
211.287	272.972	716.666
211.287	272.972	722.676
211.289	642.921	722.689
211.290	273.962	722.677
211.292	272.944	716.665
211.292	272.944	716.666
211.292	272.944	722.690
211.606	646.961	722.699
211.608	646.821	722.640
211.616	647.961	722.640
211.620	642.920	722.902
219.322	642.920	722.902
219.354	272.943	722.999
219.356	272.964	722.906
219.357	272.985	722.906
219.372	273.960	722.904
219.375	113.967	722.901
219.376	113.990	722.643
219.377	156.983	722.907
219.377	156.983	722.930

Attachments

Reparaturkit im eingebauten Zustand.JPG:



Teile des Reparaturkits. JPG:



Zange.jpg:

